



THE PATENT OFFICE  
STATE HOUSE  
66-71 HIGH HOLBORN  
LONDON WC1R 4TP

I, the undersigned, being an officer duly authorised in accordance with Section 62(3) of the Patents and Designs Act 1907, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

I also certify that by virtue of a direction under Section 30 of the Patents Act 1977, the application is now proceeding in the name substituted as identified therein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or the inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

RIBBON CUT BY  
CERTIFICATION BRANCH

Please turn over

COC.6 (1)

BUDAPEST TREATY ON THE INTERNATIONAL  
RECOGNITION OF THE DEPOSIT OF MICROORGANISMS  
FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

Professor G.G. Brownlee,  
Sir William Dunn School of  
Pathology,  
University of Oxford  
South Parks Road  
Oxford.

VIABILITY STATEMENT  
issued pursuant to Rule 10.2 by the  
INTERNATIONAL DEPOSITARY AUTHORITY  
identified on the following page

NAME AND ADDRESS OF THE PARTY  
TO WHOM THE VIABILITY STATEMENT  
IS ISSUED

<b>I. DEPOSITOR</b>	<b>II. IDENTIFICATION OF THE MICROORGANISM</b>
Name:  Address: <i>As above</i>	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: <i>NC13 12103</i> Date of the deposit or of the transfer: <i>13<sup>th</sup> June 1985</i>
<b>III. VIABILITY STATEMENT</b>	
The viability of the microorganism identified under II above was tested on <i>13<sup>th</sup> June 1985</i> <sup>1</sup> <input checked="" type="checkbox"/> <sup>3</sup> viable <input type="checkbox"/> <sup>3</sup> no longer viable	

- <sup>1</sup> Indicate the date of the original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).
- <sup>2</sup> In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent viability test.
- <sup>3</sup> Mark with a cross the applicable box.

IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED<sup>4</sup>

V. INTERNATIONAL DEPOSITARY AUTHORITY

Name:

NATIONAL COLLECTION OF INDUSTRIAL BAC  
TORRY RESEARCH STATION

Address:

P.O. BOX 111 ABLEY ROAD,  
ABERDEEN, ABB 8DS.

Signature(s) of person(s) having the power  
to represent the International Depositary  
Authority or of authorized official(s):

*Terence Dandoz*

Date:

14<sup>th</sup> June 1985

<sup>4</sup> Fill in if the information has been requested and if the results of the test were negative.

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BUDAPEST TREATY ON THE INTERNATIONAL  
RECOGNITION OF THE DEPOSIT OF MICROORGANISMS  
FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

Professor G.G. Brownlee,  
Sir William Dunn School of  
Pathology,  
University of Oxford  
South Parks Road  
Oxford.

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT  
issued pursuant to Rule 7.1 by the  
INTERNATIONAL DEPOSITARY AUTHORITY  
identified at the bottom of this page

NAME AND ADDRESS  
OF DEPOSITOR

<b>I. IDENTIFICATION OF THE MICROORGANISM</b>	
Identification reference given by the DEPOSITOR: <i>Escherichia coli MC1061 containing plasmid pIJ5/9</i>	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY:
<b>II. SCIENTIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DESIGNATION</b>	
The microorganism identified under I above was accompanied by:  <input type="checkbox"/> a scientific description  <input checked="" type="checkbox"/> a proposed taxonomic designation  (Mark with a cross where applicable)	
<b>III. RECEIPT AND ACCEPTANCE</b>	
This International Depositary Authority accepts the microorganism identified under I above, which was received by it on <i>17 June 1985</i> (date of the original deposit) <sup>1</sup>	
<b>IV. INTERNATIONAL DEPOSITARY AUTHORITY</b>	
Name: <b>NATIONAL COLLECTION OF INDUSTRIAL BACTERIA</b>  Address: <b>P.O. Box 31, 135 ABBEY ROAD, ABERDEEN, AB9 8DG.</b>	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <i>Terence Dandoz</i> Date: <i>14<sup>th</sup> June 1985</i>

<sup>1</sup> Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired; where a deposit made outside the Budapest Treaty after the acquisition of the status of international depositary authority is converted into a deposit under the Budapest Treaty, such date is the date on which the microorganism was received by the international depositary authority.

# The National Collections of Industrial & Marine Bacteria Ltd



Torry Research Station, PO Box No.31, 135 Abbey Road, Aberdeen, AB9 8DQ, Scotland

TELEPHONE 0224 877071 TELEGRAMS RISCINDUS ABERDEEN Telex 73455

Dr IJ Bousfield Curator

Professor G.G. Brownlee,  
Sir William Dunn School of Pathology,  
University of Oxford,  
South Parks Road,  
Oxford.

Any reply to this letter to be  
addressed to the CURATOR

Your reference:

Our reference: PAT 613

Date: 14<sup>th</sup> June 1985

Dear Sir/~~Madam~~,

## NOTIFICATION OF ACCEPTANCE OF A DEPOSIT FOR THE PURPOSES OF PATENT PROCEDURE

Microorganism

Strain number

NCIB number

*Escherichia coli*

MC1061 containing  
plasmid pIJ5/9

NCIB 12103

I have to inform you that the above designated microorganism(s),  
received on 13<sup>th</sup> June 1985 was accepted for deposit for patent  
purposes on 13<sup>th</sup> June 1985. You are reminded that you are  
bound by the terms and conditions of this acceptance set out in  
the Application Form signed by you on 11<sup>th</sup> June 1985 a copy  
of which should have been retained by you.

Yours faithfully,

Terence Dando

TERENCE DANDO B.Sc., M.Phil

for Curator

NATIONAL COLLECTION OF INDUSTRIAL BACTERIA  
MINISTRY OF AGRICULTURE, FISHERIES AND FOOD  
TORRY RESEARCH STATION  
PO BOX 31, 135 ABBEY ROAD  
ABERDEEN, SCOTLAND AB9 8DG

MICROORGANISM DEPOSIT FOR THE PURPOSES OF PATENT PROCEDURES  
APPLICATION FORM

~~I~~/We request the National Collection of Industrial Bacteria, hereinafter referred to as the NCIB, to accept for deposit for the purposes of patent procedures the following microorganism:

(Name of Microorganism and depositor's strain number, if any.)

*E. coli MC1061 containing plasmid pITS/9*

~~I~~/We understand that if after examination of the microorganism and/or the information contained in the Accession Form enclosed herewith, the NCIB shall find the microorganism not to be of a kind which it accepts for deposit for the purposes of patent procedures, the NCIB shall refuse to accept the microorganism and shall notify ~~me~~/us forthwith of such refusal. In such cases, unless ~~I~~/we request the return of the microorganism within 28 days of such notification, the NCIB shall be entitled to destroy it.

If the NCIB agrees to accept the microorganism, ~~I~~/we agree to be bound by the following terms and conditions:-

1. ~~I~~/We have provided all the information and indications requested by the NCIB on the Accession Form established by the NCIB for that purpose and enclosed herewith.
2. ~~I~~/We <sup>may</sup> ~~will~~ replace at ~~my~~/our expense, according to the relevant patent regulations, the deposited microorganism, if it should deteriorate or cease to exist, so that the NCIB is no longer able to furnish samples, following receipt from the NCIB of notification of such inability to furnish samples.

3. ~~I/We~~ will pay to the NCIB all fees charged for the storage of the microorganism and the supply to me/us of samples thereof.
4. ~~I/We~~ will indemnify the NCIB against all claims that may be brought against the NCIB as a result of the release of samples of the microorganism, unless such claims arise on account of the negligence of the NCIB, its servants or agents.
5. ~~I/We~~ will not require the return of the microorganism to me/us, for a period of 30 years after the date the microorganism is accepted for the purpose of patent procedures, or 5 years after the date of the last request for a sample thereof, whichever is the later, during which period the NCIB shall have the right to retain the microorganism.
6. ~~I/We~~ will authorise the NCIB to release samples of the microorganism only in accordance with the provisions of Rule 11 of the Budapest Treaty in any case where the deposit is intended to serve for the purposes of patent procedures for any state which has ratified the Treaty, or organisation which has made the declarations referred to in Article 9 of the Treaty. In any other case, ~~I/we~~ will authorise the NCIB to release such samples only:
  - (i) on the written authorisation of National Research Development Corporation or any statutory Corporation replacing or continuing it.
  - (ii) on the written authorisation of any industrial property office notified to you in writing at any time by the aforesaid Corporation
- 6A ~~I/We~~ authorise the aforesaid Corporation to re-deposit the organism in their own name with the NCIB.
7. ~~I/We~~ will abide by the above terms and conditions, which may be varied from time to time for the purpose of compliance with any Treaty or convention to which the United Kingdom is a party.

Depositor's name and full postal address

*Prof. G.G. BROWNLEE  
 Sir William Dunn School of Pathology  
 Univ. of Oxford  
 5. Parks Rd., Oxford*

Signature of Depositor ... *G.G. Brownlee* .....

Date ..... *11 June 1985* .....

NATIONAL COLLECTION OF INDUSTRIAL BACTERIA  
MINISTRY OF AGRICULTURE, FISHERIES AND FOOD  
TORRY RESEARCH STATION  
PO BOX 31, 135 ABBEY ROAD  
ABERDEEN, SCOTLAND AB9 8DG

MICROORGANISM DEPOSIT FOR PURPOSES OF PATENT PROCEDURE

ACCESSION FORM (Original deposit)

Leave blank

Date culture received:

NCIB No.

1. Is the deposit being made under:

- (i) the Budapest Treaty YES/~~NO~~  
(~~ii~~) ~~Rule 28 of the European~~ YES/~~NO~~  
~~Patent Convention~~  
(~~iii~~) ~~Swedish patent legislation~~ YES/~~NO~~

2. Name of microorganism (genus and species) if known:

*E. coli*

3. Depositor's strain designation:

*E. coli* MC1061, containing plasmid pIJ5/9

4. Can the microorganism be preserved without significant changes in its properties by:

- (i) Freeze-drying (lyophilisation)  
in serum/glucose broth  
(*'mist. desiccans'*) YES/~~NO~~/NOT KNOWN  
(ii) Freezing in 10% glycerol broth YES/~~NO~~/NOT KNOWN

5. Can the microorganism be grown routinely on nutrient agar or in nutrient broth without significant changes in its properties

YES/~~NO~~/NOT KNOWN

6. If the answer to 5 above is other than 'YES', please specify a suitable medium for growing and testing the viability of the microorganism (use a separate sheet if necessary).

The nutrient agar or broth must contain 100 µg/ml ampicillin to prevent curing of the plasmid. After thawing a glycerol broth, it is advisable to allow the bacteria to grow for 1-2 hrs before adding the ampicillin.



## 7. Please specify:

- (i) suitable incubation temperature 37 (°C)  
 (ii) suitable incubation atmosphere air  
 (iii) any special incubation conditions none

## 8. If the deposit is a mixed culture, please describe the components and at least one of the methods for checking the presence of each (use a separate sheet if necessary).

N/A

## 9. Is the organism known to be or likely to be hazardous to the health of:

- (i) man YES/NO  
 (ii) animals (please specify) YES/NO  
 (iii) plants (please specify) YES/NO  
 (iv) the environment (please specify) YES/NO

If the answer to any of i-iv above is 'YES' please give details.

## 10. Name and full postal address of Depositor.

Prof. G.G. BROWNLEE  
 Sir William Dunn School of Pathology,  
 Univ. of Oxford,  
 S. Parks Rd.,  
 Oxford

Signature of Depositor

Date 11 June 1985

G.G. Brownlee

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